



BROOKHAVEN BULLETIN

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Jack Chernick, Head Of Reactor Physics, Dies

Jack Chernick, Senior Physicist and Head of the Reactor Physics Division at Brookhaven National Laboratory, died in Brookhaven Memorial Hospital on Thursday, April 8 of a stroke. He was 59 years old.

Mr. Chernick was widely known for his pioneer work in reactor physics, which formed much of the foundation of today's water moderated nuclear power reactors. He participated in the design and development of the Brookhaven Graphite Research Reactor, the first reactor designed and built for peaceful utilization of atomic energy. He is one of the inventors of Brookhaven's High Flux Beam Reactor, one of the newest, largest, and most versatile research reactors in the world.

Mr. Chernick was born in Newark, New Jersey on November 27, 1911. He attended Rutgers University, majoring in biology, from 1929-32. He then entered the University of Chicago in 1936, where he majored in mathematics, and received his B.S. in 1938. From 1937 to 1938 he was a mathematics assistant at the University of Chicago. He received his M.S. degree in Applied Mathematics from Brooklyn College in 1944.



Jack Chernick

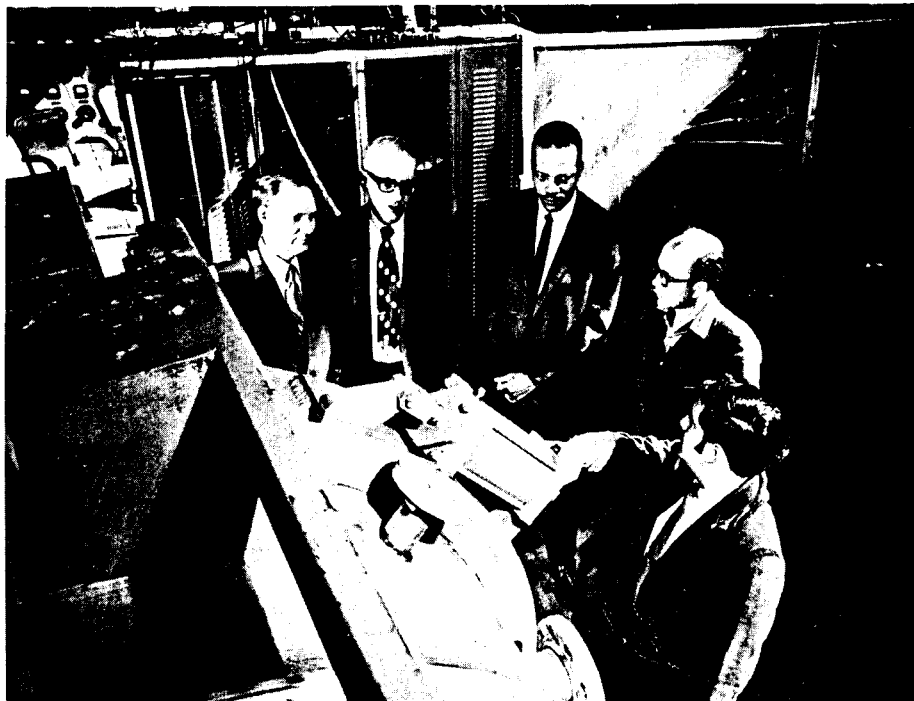
Mr. Chernick was a mathematician for Ballistics Research Laboratory, Aberdeen, Maryland from 1941-47. In 1947 he joined the staff of Brookhaven. At the time of his death he was Senior Physicist and Head of the Reactor Physics Division, Department of Applied Science.

He has been a Fellow of the American Nuclear Society since 1961, and in 1966 was named co-winner of the American Nuclear Society Special Award "for contributions to important physics problems of reactors, including resonance capture, reactor kinetics, and the interpretation of integral experimental data; for his investigations of many novel reactor designs; and for his continuing leadership in the development of reactor physics and physicists of the highest quality." His colleagues credit him with a "school" of highly qualified and carefully trained people. He was a member of the AEC Advisory Committee on Reactor Physics, 1951-57 and 1962 to present; and a member of the Editorial Advisory Committee, Nuclear Science and Engineering. Mr. Chernick was also a U.S. delegate to the Geneva Conferences on the Peaceful Uses of Atomic Energy in 1955, 1958, and 1964. For a time he also served as a U.S. consultant to India to help them in their peaceful atomic energy programs.

Funeral services for Mr. Chernick were held on Friday, April 9 at which time Dr. Maurice Goldhaber delivered the eulogy. Burial was at the Patchogue Hebrew Cemetery.

Mr. Chernick is survived by his wife Norma, and three children, Irene, Michael and Julian, and a brother, William T. Chernick, of Florida.

Concrete Polymer Conference



On March 30 and 31, a meeting was held by the Radiation Division of the Department of Applied Science on the Concrete Polymer Program. The meeting was attended by representatives of the Division of Isotopes Development of the USAEC, Washington, D.C., the US Bureau of Reclamation from Denver, Colorado, and the office of Saline Water, Department of the Interior, Washington, D.C. These meetings are held every four months for the purpose of program review and planning the development of concrete-polymer materials and applications. An inspection of some of BNL's radiation processing facilities was made by the group pictured above. Left to right are: George B. Wallace, Bureau of Reclamation; Howard J. Cohan, Bureau of Reclamation; Roy Yates, Office of Saline Water; and Cliff Scarlett, Department of Applied Science. Their guide in Building 820 was Tony Romano, DAS (right). —Humphrey

Earth Day Program Planned for Brookhaven

National Environmental Awareness Day will be observed at BNL on Saturday, April 24th, with a program for 200 selected science students from Long Island high schools. The program is sponsored by BNL and the Environmental Technology Seminar, an organization of Long Island scientists, engineers, and others interested in the problems raised by pollution and present and potential solutions to them.

The day's activities will center around short talks and demonstrations on several of the programs at Brookhaven that have environmental significance. Included will be presentations by Dennis Puleston, Vance Sailor, and R. Christian Anderson, each of whom has a record of interest and accomplishment in the field of conservation.

There is a need for volunteers to serve as receptionists, guides, and "pusher-alongers," both male and female. If you would be willing to spend the time from 9:30 a.m. to 2:00 p.m. relevantly at the Lab on the 24th, please contact Walt Tucker, Ext. 2127; Frank Hill, Ext. 2525; or Dan Schaeffer, Ext. 2322. We can promise you a hectic and rewarding few hours.

Molecules And Rock Music Mix In Science Film

A Ph.D. in Chemistry and Joan Baez are hardly what you would expect in an educational film titled "Wondering About Things." Yet, these two diverse personalities, joined by several other people of varied interests, make up the cast of the film presented by the Lawrence Hall of Science.

This 20-minute color film was made with a grant from Dow Corning Corporation. Brookhaven employees can see the film on Monday, April 19 at 1 p.m. in Berkner Hall.

"Wondering About Things" tells how various individuals regard science today. It also tells something about a branch of modern chemistry — silicones. It does both jobs effectively.

"What are you currently working on?" an unseen interviewer asks, and Joan Baez, Harrison Brown, Harry Gray, Zubin Mehta, George Pimentel, Art Hope and a number of other knowns and unknowns answer: DNA; rock and roll, the Institute for Nonviolence, boat repair, a column, a song, mentally retarded children, and transition metal compounds.

Great Horned Owl



From its perch forty feet above the ground in a pine tree, this baby great horned owl stares at photographer Mort Rosen. The 2-3 month old youngster will be more than two feet tall and have a wingspread of over five feet when he is mature. In order to photograph the owl in his nest after he was discovered by Ed Hunter, the utilities crew used a cherry picker to lift Rosen to within a few feet of the nest when the mother owl was away foraging for food. Baby's last meal was a rabbit, the carcass of which can be seen at left in the nest. —Rosen

Haworth Starts Second Hundred BNL Lectures

Dr. Leland J. Haworth, Director of Brookhaven from 1948-61 and now Special Consultant to the Director, will inaugurate the second hundred series of BNL Lectures. Dr. Haworth will speak on Wednesday, April 21, at 8 p.m. in Berkner Hall on the subject "Science and the Federal Government."

As former head of the National Science Foundation (1963-69), and previous to that, member of the Atomic Energy Commission (1961-63), Dr. Haworth has had many opportunities to observe the interaction between science and the government at first hand.



He has served on numerous special scientific advisory committees to various government agencies under four different administrations.

Since leaving the National Science Foundation, Dr. Haworth has been serving as Assistant to the President of AUI, as well as Special Consultant to Dr. Maurice Goldhaber, BNL's Director.

In addition to his administrative accomplishments, Dr. Haworth has been author of numerous articles for professional scientific journals and of sections of various technical books.

In research fields Dr. Haworth has investigated properties of solids, especially secondary electron emissions; Joule Thompson effect at very low temperatures; neutron physics; nuclear excitations; high energy accelerator design; electronics development, especially as related to applications in nuclear physics and to radar receivers and indicators.

Dr. Haworth's lecture will concern itself with the duality of the relationship between science and the Federal government. How, on the one hand, science affects government policy in national and international relations, and on the other hand, the role of the government in the development of science.

In discussing the objectives of government support to science, Dr. Haworth will stress three main points: First, the government's responsibility to help make the country strong and healthy in science itself; Second, the development of the tools the government needs in its own business such as in defense and space; and Third, the research and development that leads to practical applications for the benefit of the citizen.

Dr. Haworth will discuss the organization of scientific effort in the executive branch and in Congress, and the methods of arriving at budgets and appropriations. He will also discuss the changes that are taking place at the present time and how they will affect the science establishment.

A buffet supper will be served at the Brookhaven Center before the lecture starting at 6 p.m. Reservations should be made in advance by calling Ext. 2283 before 5 p.m. Refreshments will be available in the lobby of Berkner Hall immediately after the conclusion of the lecture.

Bond On Leave Till Fall

On April 1st, Dr. Maurice Goldhaber announced that Associate Director Dr. Victor P. Bond will be on leave for Professional Advancement in Ulm, Germany from April to September, 1971.

During Dr. Bond's absence, Dr. Gerhart Friedlander will be Acting Associate Director for Life Sciences, Chemistry and Safety. Dr. Friedlander will retain his position as Chairman of the Chemistry Department during that period.

Moratorium Meeting

The Brookhaven Moratorium Committee will meet at lunchtime in Room A at Berkner Hall on Tuesday, April 20. The agenda will include an informal discussion of the next activities of the group. The meeting is open to all interested persons.

National Secretaries Week



Brookhaven Bulletin's Editorial Assistant and Public Relations Secretary Claire Lamberti smiles as she receives a token gift of flowers from one of her three bosses. Like most people who do secretarial work at Brookhaven, Mrs. Lamberti must be prepared at all times to re-type a letter, alibi for an absent boss, make a good cup of coffee and retrieve from the file a letter that was buried three years ago. Secretaries are used to taking the blame when things go wrong in the office, yet are very seldom the recipient of words of praise when things work out properly. The week of April 18 has been designated as National Secretaries Week, and April 21 has been named Secretaries Day. Make a resolve to Honor your secretary during this period.

IBEW Meets Next Week

Local 2230 IBEW will hold its regular monthly meeting on April 22 at 8 p.m. in the K of C Hall, Railroad Avenue, Patchogue. There will also be an afternoon meeting in the union offices at 31 Oak Street at 2 p.m. for shift workers. On the agenda will be regular business, committee reports, and the President's report.

Selected Reading

Bull. At. Sci. 27, April 1971
The era of big science. E. Teller. 34-6
A student's view of Pugwash. A.H. Cahn. 36-7
Advan. Sci. 27, December 1970
Science in the service of mankind – and keep it that way. Ritchie-Calder. 105-11
New Scientist & Sci. J. 49, March 25, 1971
The diminishing returns of science. K.W. Boulding. 682-4
Impact Sci. Soc. 20, October-December 1970
The prolongation of vigorous life. A. Comfort. 307-19

Cafeteria Menu

Week Ending April 22, 1971

Friday, April 16	
Manhattan Clam Chowder	
Fried Shrimp w/Tartar Sauce & French Fries	.95
Salisbury Steak w/Onion Sauce & 1 Veg.	.80
Red Snapper Broiled w/Lemon Butter & 1 Veg.	.90
Monday, April 19	
Onion Soup	
Sloppy Joe on a Bun w/1 Veg.	.80
Roast Fresh Ham w/Applesauce & 1 Veg.	.85
Boiled Knackwurst w/Sauerkraut & Mashed Potatoes	.75
Tuesday, April 20	
Puree of Split Pea Soup	
Baked Beef Hash w/Brown Gravy & 1 Veg.	.80
Southern Fried Chicken & French Fries	.85
Indian Lamb Curry on Steamed Rice w/1 Veg.	.85
Wednesday, April 21	
Vegetable Soup	
Baked Tomato Meat Loaf, Brown Gravy & 1 Veg.	.80
Baked Breaded Pork Chop w/Mushroom Gravy, Applesauce & 1 Veg.	.90
Fried Codfish Cakes w/Spaghetti	.75
Thursday, April 22	
Cream of Mushroom Soup	
Boiled Beef w/Horseradish Cream Sauce & 1 Veg.	.85
Chicken Chow Mein on Rice w/Crisp Noodles	.75
Beef Ravioli w/Cheese & Tossed Salad	.80

Young Named Safety Services Manager

Dr. Fred P. Cowan, Acting Chairman of the Instrumentation and Health Physics Department recently announced that Robert W. Young has been appointed Manager of Safety Services. The Safety Services Office has now become a unit of the Health Physics Division, and Mr. Young will report to the Head of that Division.



Robert W. Young

Leonard Baker, Jr., former Safety Services Manager, has left BNL to assume important duties in the Loss Prevention and Control Department of a large Insurance Company after 14 years of service in the Safety post.

Doctors Report On Parkinson's Research

Drs. Simone E. Duby, G.C. Cotzias, A.J. Steck and P.S. Papavasiliou of Brookhaven National Laboratory's Medical Research Center, announced before the Federation of American Biological Societies on Tuesday at their meeting in Chicago, that they can now control temporarily the involuntary movements induced by L-dopa after Parkinsonism was improved. Dr. Cotzias, Head of the Physiology Division, heads the research effort and Dr. Duby presented the paper.

Involuntary movements have been the main and most frequent side effect of L-dopa. Up to the present, any agent which diminish these movements would also diminish the control of Parkinsonism by this drug. It was widely thought, therefore, that these abnormal movements had to constitute the price one had to pay for the benefits which L-dopa has brought to many patients.

The Brookhaven scientists have been working with the drug apomorphine and with some of its analogs for a long time. Apomorphine is an analog of dopamine, namely one of the substances generated by L-dopa within the brain. Injected in patients not receiving L-dopa, apomorphine, in amounts of 1-2 mg, has been eliminating the tremor of patients with Parkinsonism for a maximum of 3 hours following injection.

When given with L-dopa, tremor was also eliminated for the same period of time in patients whose other symptoms had been controlled by L-dopa. Whereas the two drugs when given at the same time showed additive beneficial effects, they were not additive with regard to side-effects.

Indeed, the main side-effect of L-dopa, the involuntary movements, could be reduced by injections of apomorphine. The effects of single doses of apomorphine on these movements last for approximately one hour, during which the control of Parkinsonism was even better than with dopa alone. With the doses given apomorphine was particularly effective against abnormal movements of the trunk and the extremities whereas control of facial movements may require larger doses than those reported today.

National Secretaries Week
April 18-24, 1971

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Published Weekly for the Employees of Brookhaven National Laboratory

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NORBERT J. DERNBACH
Public Relations Officer

Letters To The Editor

Dear Sir:

I am appalled and disgusted to note the trash dumped in so many places on site.

The Lab. has provided waste receptacles all around the ball field, yet one can readily see that many persons would prefer to ignore this and dump their litter on the ground. Beer cans, soda bottles, plastic bags and the like in the grass and underbrush are a disgrace. Explore around the little ponds and even far out in the woods and you ll find the mark of the slob.

Five years ago this kind of mess was hard to find. Its occurrence correlates curiously with the growth of the phony "Mod" concept. It seems to increase as the square of the hair.

Let's not foul our own nest. The recreational facilities here are excellent – keep them clean.
J. Kelsch

Dear Sir:

Recently the daily newspapers have had several articles about the way people are not being able to collect on their company pension plans. According to one article in *Newsday*, a study of 51 pension plans found that only 5% of the workers collected any of their pension money.

Does the BNL Plan (CREF-TIAA) protect me from losing my pension benefits if I change my job or if I am laid off?

Does the BNL Plan give me any vested rights? If so, what are they?

Worried

Dear Worried:

As far as your *Newsday* article is concerned, the BNL retirement plan can be considered far ahead of the times. It is one of the very few plans where the employee assumes complete ownership from the moment he begins participating. This ownership provision, called immediate vesting, allows any participant to take his retirement plan with him when he terminates, regardless of the circumstances of his termination. This includes all benefits purchased by the employee and the Laboratory.

After termination, the plan is available to the employee as a lifetime annuity income which can begin whenever he wishes. Some former employees have chosen to leave their vested benefits in reserve until they reach normal retirement age; others have chosen to begin receiving their annuity incomes immediately. In fact, there are some former employees under thirty-five years of age who are presently drawing BNL retirement incomes. Of course, the incomes paid in these cases are not full retirement incomes because of the relatively short periods of participation by the employees.

Monroe Petty, Personnel

Semester Coordinators



Dr. Amos Kennedy (right) of Grambling College was at Brookhaven last week to confer with Lab officials about plans for the Brookhaven Semester summer and fall sessions. Both he and Le Grande Newman (left), BNL's coordinator, met with Dr. R.C. Anderson and Glenn Price, Office of Scientific Personnel, and Peter Chen, Assistant to the Director. Topics discussed at the meeting included plans for a council meeting in Langston, Oklahoma next Thursday and Friday, and plans for bringing seven faculty members from the cooperating schools to Brookhaven for three months each.
—Humphrey

Weekly Calendar

Tuesday, April 20	
Medical Department Seminar	3:00 p.m., Seminar Room, 30 Bell Ave.
Regulation of Cholesterol Metabolism in Man Edward H. Ahrens, M.D., Rockefeller University	
Solid State Seminar	1:30 p.m., Sm. Seminar Rm., 20 Penn. St.
Tunneling of Polarized Electrons in Superconductors and Ferromagnets Dr. Robert Meservey, M.I.T. National Magnet Lab.	
Physics Colloquium	3:30 p.m., Seminar Room, 20 Penn St.
Acausality in Finite Electrodynamics T. Lawrence Trueman, Physics Dept., Brookhaven National Laboratory	
Biomedical Engineering Seminar	1:00 p.m., Chem. Seminar Rm., 33 Lewis Rd.
Electron Microscopy in Biomedical Engineering J.J. Kelsch, I & HP Dept., Brookhaven National Laboratory	
Wednesday, April 21	
Brookhaven Lecture Series (No. 101)	8:00 p.m., Berkner Hall, 11 Brookhaven Ave.
Science and the Federal Government Dr. Leland J. Haworth, Brookhaven National Laboratory	
Theory Seminar	2:00 p.m., Sm. Seminar Rm., 20 Penn. St.
Acausality and Other Defects of Equations for Interacting Higher Spin Particles Daniel Zwanziger, New York University	
Thursday, April 22	
Chemistry Seminar	3:30 p.m., Chem. Seminar Rm., 33 Lewis Rd.
Photofragment Spectroscopy Kent Wilson, University of California, San Diego	
Biology Seminar	11:00 a.m., Biology Library, 50 Bell Ave.
Conformational Changes in the Ribosome Associated with the Translocase Reaction Melvin Simpson, State University of New York at Stony Brook	
Friday, April 23	
Particle Physics Seminar	11:00 a.m., Seminar Rm., 20 Penn St.
Experimental Program Planned at NAL J.R. Sanford, National Accelerator Laboratory	
Tuesday, April 27	
Medical Department Seminar	3:00 p.m., Seminar Rm., 30 Bell Ave.
The Renal Glomerulus Harold Burlington, Ph.D., Mt. Sinai School of Medicine; Medical Department, BNL	
Wednesday, April 28	
Chemistry Seminar	3:30 p.m., Chem. Seminar Rm., 33 Lewis Rd.
Elementary Processes in Radiation Chemistry and Photochemistry in Rigid Organic Matrices John E. Willard, University of Wisconsin	
Thursday, April 29	
Solid State Seminar	1:30 p.m., Sm. Seminar Rm., 20 Penn. St.
Some Properties of Chromium and its Alloys M. J. Zuckermann, McGill University	
Friday, April 30	
Biology Seminar	11:00 a.m., Biology Library, 50 Bell Ave.
Recent Studies with Papain G. Lowe, Dyson Parrine Laboratory, Oxford, England	

Arrivals & Departures

Arrivals

- None -

Departures

Accelerator

James Brockbank	William J. Noe, Jr.
Thomas Fairchild	Icarus E. Pyros
Francis Ferstler	George Rakowsky
Robert J. Lenuzza	Clive E. Reed
Timothy F. Malloy	Bernard J. Streeter
Ciacomo J. Maltese	Paul J. Thorkelsen

Applied Math.

Lydia Bargiuk	Carmen J. Yarrusso
Emil Iliescu	

Applied Science

John M. Bracker	Silvio J. Tassinari
Roy F. Domish	Richard J. Tivers

Chemistry

Jerry K. Dominy

Tech. Information

Ruth T. Kelly	Mary N. Schinn
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Instr. & H. P.

Anthony Nappi

Mech. Engrg.

Robert Foukal	Ernest J. Speiss
Henry Pfister	

Medical

Roberta M. Klimaski

Physics

Richard Airchroth	Barbara S. Kirkman
Richard C. Albert	Carl J. Pozgay
Carolyn M. Brunone	Paul Vosgian
John N. Hessinger	Erwin A. Wohr

Pl. Engrg. & Plan.

August Henderson	Donald Oakley
Martin L. Foley	Fred Stokley
Robert Mulcahy	

Purchasing

Francis X. Barnes	John J. Schofield
John J. Lavin	

Reactor

George Mooney

Supply & Materiel

James Luckett

Volleyball News

Odelli Ozer

Volleyball Night was held at the Recreation Building on Monday, April 5th. The ending of the season was celebrated with plenty of beer and refreshments. Awards for the two winning teams were presented by the BERA Awards Committee Chairman Robert Fuchs.

The entertainment for the evening, organized by our entertainment committee chairman George Oldham, featured movies of the 1964 Tokyo Olympics and the 1970 NBA playoffs.

Bowling News

Grace Fales

Red League

Not much doing this week - the Old Timers still in first place, while Ralph Nelson maintains high average with his 187. The 200 club for the night - R. Nelson 239, J. Richter 201, and R. Wilson 201.

Green League

Bill Kristiansen's Neutrons sewed up the second half title last week. They now face the Designer's in the League rolloff. The Neutrons set a fast pace this half with their 70-21 record to date - **Good Bowling Guys**. Highs for the night were J. Petro 214, R. Skelton 204, R. Larsen 221/605, C. Bohnenblusch 213, R. Meier 205, J. Lee 225, and J. Scesny 231/244/644 series.

Pink League

Hopefuls only 1 point behind first place Pinsplitters to regain their first spot for the second half. Highs for the night were Diana Bartlet 177, Grace Fales 175, and Audrey Bangel 164.

Black and Blue League

The proud new father, Allan Diebel celebrated with a 508 series to lead the Omegas to a sweep over the AR's and increased their first place lead to 7 points.

Mets Baseball Tickets

New York Mets baseball tickets are still very much available at the Recreation Office.

Reports Available

The following reports are now available to the Laboratory staff and to affiliates of the AEC, AUI and BNL. Others may purchase them from the National Technical Information Service, U.S. Department of Commerce, Springfield, Virginia 22151. Staff members should call Ext. 2256.

Tabulated Dose Uniformity Ratio and Minimum Dose Data for Gamma Irradiator Design	
F.X. Rizzo, L. Galanter, and K. Krishnamurthy	
BNL 50145 (T-516) Revised	\$3.00
Experimental Data on Dispersion and Deposition of Timothy and Corn Pollen from Known Sources	
Gilbert S. Raynor, Janet V. Hayes, and Eugene C. Ogden	
BNL 50266 (T-595)	\$3.00

Volleyball Awards Night



Men's League Winners - The Spikers - Bottom row: Odelli Ozer, Masaki Suenaga. Top row: Dermott Cullen, Lou Snead, Arthur Scott, Donald Tuttle, Jack Crow. Not present for the picture are team members Pete Hlavac and Stephen Feldberg.



Mixed League Winners - The Boomerangs - Reading left to right - Bottom Row: Odelli Ozer, Jim Price, Sol Pearlstein. Top Row: Sue Underbrink, Marvin Drake, Dermott Cullen, Pat Price. Not present for the picture are team members Helen Connell (Captain), Krystal Grigsby and Wayne Grigsby.



Winning Team Captains - Awards presented by Bob Fuchs, BERA Awards Committee Chairman to Sue Underbrink (accepting for Captain Helen Connell) and Odelli Ozer.

Opening Games
Set For May 17th

Spring is in the air and BNL athletes are cleaning those winter moths out of their mitts as they turn their attentions to a new Softball Season. With raking and yard work (spring training) behind us, a few rigorous practice sessions under our belts and our aches and pains healed by the warm weather we will, without a doubt, be fit and trim for opening day on May 17th.

April 23rd is the deadline for team entry fees of \$45 and \$30 for the Men's and Mixed Leagues, respectively. Hustle and get those rosters firmed up. If you want to play and need a team or if your team needs additional ball players, remember the Players' Pool at the Recreation Office. Let's have another fine season.

Attention All Golfers !

The young, the old, the duffers and the pro's. The BERA Golf Association welcomes you for another season of fun. This years program will include - team competition, outings and buffet suppers. Applications available at Recreation Office in the Gym. League entry deadline April 23, 1971. For additional information please call Marty Caunter, Extension 2800.

Stony Brook Events

Theatre productions, concerts, exhibits, and films are among the events open to the public at the State University of New York at Stony Brook between Friday, April 16 and Thursday, April 22.

Friday, April 16

The Second Annual Student Photo Show sponsored by Guthrie College will be open from 2-6 p.m. in the Guthrie Lounge. It will also be open on Saturday and Sunday from 1-5 p.m.

"Depth Charge," a two-part original choreographic theater production incorporating film, movement, speech and song, will be performed by the Theater Department at 8 p.m. and 10 p.m. in the new University Theater, Building B on the South Campus, admission \$1.00. It will be repeated on Saturday, same time and place.

Saturday, April 17

Robert Weiner, a Stony Brook graduate student, will give an oboe recital featuring works by Sammartini, Piston, Saint-Saens and Gordon Jacob at 8:30 p.m. in Room 105 of the Lecture Center.

The Steve Miller Band and Don Cooper will perform concerts sponsored by the Student Activities Board at 8 p.m. and 11:30 p.m. in the Gym, admission \$4. Tickets should be purchased before the concerts in the Union Ticket Office.

Sunday, April 18

An Art Exhibit and Auction sponsored by the Friends of Hillel, featuring paintings, lithographs, jewelry and other art forms, including works by Salvador Dali, Raoul Dufy and Marc Chagall, will begin at 1 p.m. in Room 236 of the Stony Brook Union.

As part of the Poe College Film Series two classic documentaries by Joe Flaherty, "Nanook of the North" and "Man of Aran," will be shown at 7 p.m. in the Poe College Lounge.

A Baroque concert by the Palmer Chamber Ensemble, which includes two harpsichords, strings and winds, will be sponsored by Poe College and Kelly Quad at 8:30 p.m. in the Union Theater.

"Lost Horizon," a film starring Ronald Coleman, will be shown in the Dreiser College Lounge at 9 p.m.

Monday, April 19

Lee Snyder, a Stony Brook graduate, will perform a violin recital featuring works by Bach, Ravel and Berg at 8:30 p.m. in Room 105 of the Lecture Center.

Wednesday, April 21

"Scag," a movie about heroin addiction and the life style which often surrounds its use, will be shown as part of a film series on drugs at 8 p.m. in the Stony Brook Union Theater.

Thursday, April 22

Samuel Beckett's "Waiting for Godot" will be performed by the Theater Department at 8 p.m. in the new University Theater, Surge Building B on the South Campus, admission \$1.00.

"The Battle of Algiers," Gillo Pontecorvo's highly acclaimed film re-enactment of the Algerian rebellion against the French, will be shown at 8:30 p.m. in Room 100 of the Lecture Center.

New York Times film critic Vincent Canby will speak on "Politics of Film Criticism" at 8:30 p.m. in the Cardozo College Lounge.

Slo-Break Basketball

by George Latham

Knacks Win Championship

In a game that saw the lead change hands several times, the Knacks pulled away from the Tandems in the last three minutes to win 45-35. Jim Hooper led all scorers with 12 points. Bob Casey, Andy Fogarty and Bob Janssen each had 9 points for the Knacks. For the Tandems J. Tyler had 11 points with B. James and R. Church chipping in 9 and 7 points, respectively.

The Nationals, Champs of the Universities League, took on a Universities League All-Star team. The game was tied at 22-all at half time, but the Stars pulled away in the second half to win 56-35. Leonard Mayweather of Physics led the Stars with 17 points. Biology's Joe Abata had 14 and Chem-Med's Darrell Joel 9 points. For the Nationals Dick Sutter had 14 points and Marty Blume 7.

See you next season!!

Classified
Advertisements

Positions Available

The Brookhaven Bulletin each week will list job openings which have come to our attention and may be of interest to Lab employees. Each listing will be repeated (if still available) only once.

RESEARCH SERVICES ASSISTANT - Patient Care, Medical Department, BNL.

RESEARCH SERVICES ASSISTANT - Veterinary Group, Medical Department, BNL.

SUPERINTENDENT OF BUILDINGS AND GROUNDS - Central High School District No. 3, Merrick, New York.

ELECTRO-OPTICAL TECHNICIAN - Background in lasers and electronics. General Telephone & Electronics Laboratories, Bayside, New York.

SCHEDULER - For computer operations. May involve some program de-bugging. No degree required. General Telephone & Electronics Laboratories, Bayside, New York.

ADDRESSOGRAPH OPERATOR - Full or part-time. Anthony Addressing Service, Patchogue, New York.

PROGRAMMERS - To work on PDP-8 computers; industrial systems applications in areas of gas and petroleum, pipe lining, water treatment and water and air pollution. Should have 1-2 years' experience in real-time language. Data-Master Corporation, Glen Cove, New York.

SALESMEN (10 NEEDED) - Part or full-time for Cutco Division of Alcoa. All areas of Long Island. Absolutely no canvassing involved. Apply care of BNL Personnel Office.

PLANT SYSTEMS OPERATOR - Temporary position for six months. Job includes de-bugging of electrical and mechanical equipment. Vermont Yankee Nuclear Power Corporation, Rutland, Vermont. Call Robert Powell, extension 663, for further information.

STORE MANAGERS - Some basic bookkeeping helpful; ability to handle people. Mallory Restaurants, Suffolk and Nassau Counties.

ELECTRICAL ENGINEER - To work in facilities engineering department, power distribution, high voltage, etc. Minimum eight years' experience. Gruman Aerospace Corp., Bethpage, New York.

EXECUTIVE SECRETARY - To the Director. Cold Spring Harbor Laboratory, Cold Spring Harbor, New York.

DIGITAL ENGINEER - E.E. degree and three years' experience. Grumman Aerospace Corporation, Bethpage, New York.

SIMULATION ENGINEER - E.E. degree and two years' experience. Grumman Aerospace Corporation, Bethpage, New York.

CIRCUIT DESIGN ENGINEER - E.E. degree and two years' experience. Grumman Aerospace Corporation, Bethpage, New York.

MAINTENANCE MAN - Henry Perkins Hotel, Riverhead, New York.

SALESMAN - Prudential Insurance Company, Smithtown, New York.

REGISTERED NURSES - Rotating shifts. Medical Department, BNL.

PROGRAMMER/ANALYST - Bachelor's degree plus approximately three years "hands-on" programming experience. General Telephone & Electronics Laboratories, Bayside, New York.

CHEMIST - Ph.D. in physical chemistry, chemical engineering or electrochemistry. General Telephone & Electronics Laboratories, Bayside, New York.

LABORATORY TECHNICIAN - Plant tissue research; A.A. or A.S. or equivalent in biology or plant physiology. General Telephone & Electronics Laboratories, Bayside, New York.

PROGRAMMER - B.A. or M.A. in mathematics or computer science. General Telephone & Electronics Laboratories, Bayside, New York.

FOUNDRY FOREMAN, MOLDERS AND GRINDERS - Aluminum and magnesium sand casting foundry. Rosedale Foundry Corporation, Hicksville, New York.

SALESMEN - Full training program. Mutual of New York, Westbury, New York.

KEYPUNCH OPERATOR - Systems and Data Processing. Half-time, 5-9 pm.

CHIEF OF BUILDINGS ENGINEER - Maintenance, etc. Veteran's Administration Hospital, Northport, New York.

ENGINEER - Electrical systems, pipe fitting, etc. Veteran's Administration Hospital, Northport, New York.

MEDICAL TRANSCRIBER - To work from a dictaphone machine. Bayview Community Hospital, Mastic Beach, New York.

COOK - With some experience. Bayview Community Hospital, Mastic Beach, New York.

DIETICIAN - Licensed; some experience. Bayview Community Hospital, Mastic Beach, New York.

INDUSTRIAL ENGINEER - B.S. in industrial engineering; 2-3 years' experience in manufacturing, including cost reduction, work simplification and methods. General Instrument Corporation, Hicksville, New York.

MATERIALS MANAGER - General Instrument Corporation, Hicksville, New York.

CLERK/STENOGRAPHER - Department of the Army, New York, New York.

MEDICAL TECHNOLOGIST - All phases of lab work; A.A. degree required. Southampton Hospital, Southampton, New York.

JUNIOR ACCOUNTANT - Mainly full charge bookkeeping. Cold Spring Harbor Laboratory, Cold Spring Harbor, New York.

COST ACCOUNTANT - Standard job cost; Bachelor's degree and minimum five years' experience. General Instrument Corp., Hicksville, New York.

SALESMEN AND SALES MANAGERS - Connecticut General Life Insurance Company, Melville, New York.

BUILDING ENGINEER - Industrial project work engineer; contract writing. B.S. Civil Engineering, P.E. license. National Food Manufacturing Company, Melville, New York.

PROCESS SANITARY PIPING ENGINEER - Knowledge of piping engineering (problems, de-bugging, etc.). National Food Manufacturing Company, Melville, New York.

MECHANICAL ENGINEER - B.S. in mechanical engineering or experience in heat transfer. National Food Manufacturing Company, Melville, New York.

SENIOR SYSTEMS AND PROGRAMMING MANAGER - To head up all application systems and programming; converting from IBM system to new RCA-3 equipment. Hofstra University, Hempstead, New York.

PROGRAMMER/ANALYST - B.S. To work on mini-computers. General Telephone & Electronics Laboratories, Bayside, New York.

ACCOUNTING CLERK - Clerical typist with training in bookkeeping. General Telephone & Electronics Laboratories, Bayside, New York.

METALLURGIST - B.A. or M.A. in metallurgy or material science. General Telephone & Electronics Laboratories, Bayside, New York.

TECHNICAL TYPIST - Knowledge of scientific terminology. General Telephone & Electronics Laboratories, Bayside, New York.

SPECIAL HAZARDS ENGINEER - Instrumentation and Health Physics, BNL.

For further information, please contact Employment Supervisor Ext. 2109 or 2513.

Autos & Auto Supplies

62 VW - With 1963 eng, new seat covers, blue paint with silver "misting", extra tires and rims. \$375. Bruce, Ext. 476.

68 BUICK VISTA CRUISER SPORTS WAGON - 10 psgr, ps/pb, air cond, good tires, excel cond. \$2600. Gileta, Ext. 7654, 653-4618 after 6.

14" WHEELS - Off '62 Pontiac, \$5/pr; 13"-5 lug, \$5/pr; 6.95x14 tire, good cond, \$4; 12 V gen, GM type, \$6. Bob, Ext. 2450, 289-0357.

69 PONTIAC CUSTOM S CONV - R/h, ps, pwr top, auto trans, 29,000 mi, new cond. P. Miller, HR2-1416.

67 CHEVELLE SS396 - 325 hp, auto trans, red/blk vinyl top, ps, bckts, console, very clean. 281-7588.

62 CHEVY 2 - \$75. H. Henck, 281-5626.

69 PLYMOUTH ROAD RUNNER - 383 V8, auto trans, radio, ps, new fiberglass belted tires, show rm cond, never raced, very low mileage. Glenn, 732-4658.

63 OLDS - Ps/pb, 2 dr hdtip, low mileage, clean. 281-2493, 281-5626.

69 RENAULT R16 - Like new, luxury + economy, 3 spare tires. \$1500. 281-5262.

69 COUGAR - Vinyl roof, ps/pb, r/h, auto trans, reg gas, excel cond. \$2250. Eric, Ext. 2411, 286-9190 mornings.

69 BSA SCRAMBLER - 250 cc, low mileage, orange/blk, chrome fenders, excel cond. \$550. Doug, Ext. 7821, 924-8224.

69 FORD CUSTOM CAB - Camper special, tool box, 2 gas tanks, 11 1/2' Sunway camper, 4 cu ft gas/elec refrig, monomatic head. \$5000 firm. Austin, Ext. 7677.

VW BUG - '65 eng in '62 car, excel cond, no rust, radio, good tires/brakes, white. Ext. 322, 744-3959 after 5:30.

15" RIMS - 2 w/7.35x15 tires, 2 w/o tires. \$10 takes all. Richie, Ext. 7228.

66 OMEGA KAWASAKI MOTORCYCLE - 125 cc, good running cond. \$150. Ext. 7625, LT9-7504.

65 SAAB - Mechanically sound. \$250. K. Fuchel, Ext. 2446.

65 CHEVY SS - 283, good cond, 5 new tires, good motor, body dent over right light, new fuel pump, new batt. 286-1246.

63 FORD FAIRLANE 500 - 8 psgr station wagon, immaculate cond. \$550. W. Powell, Ext. 567, 732-5216 after 5:30.

68 FORD LTD STATION WAGON - 302 cu in, auto trans, ps/pb, 10 psgr, excel cond. \$1950. Ext. 7617.

63 COUNTRY SQUIRE STATION WAGON - V8, auto trans, ps/pb, good cond. \$350. W. Lundgren, Ext. 7525, 588-1566.

69 FIAT 124 SPYDER CONV - Yellow, 29,000 mi, garaged, am radio, excel cond. \$2050. 585-3532.

65 RAMBLER CLASSIC - 4 dr. 475-4103.

Boats & Marine Supplies

21' CHRIS CRAFT CABIN CRUISER - Sleeps 2, 95 hp inboard, many extras, good shape. \$850. C. Barrett, Ext. 433, 325-0013.

15' RUNABOUT - Little Dude trailer, 25 hp Evinrude, all extras, excel cond. Asking \$450. Charlie, Ext. 2340.

12' PELICAN CLASS SAILBOAT - Under construction, hull planked & deck framed, w/plans, as is. \$45. Wes, Ext. 2340.

DEPTH SOUNDER & LOCATOR - Very good cond. Hank, Ext. 2221.

19' PEMBO - Sleeps 2, stand-up head, navy top, 50 hp Evinrude motor. Asking \$300. Dick, Ext. 7215, 878-1450 after 6.

20' FIBERGLASS CRUISING SLOOP - Signet 20, sleeps 4, fully equipped, 4 bags of sails, many extras, priced to sell. Ext. 2993, 744-9436.

12' HYDROPLANE - 298-4243 after 6.

18' STEURY - Fiberglass, 100 hp Evinrude, 8 psgr, full canvas, 50 gal gas, reclining seats, Tee Nee trailer, tandem wheels, F.E., extras, used 4 times. \$3000. 585-3879.

22' SEA SKIFF 1958 - 6 cyl Palmer half cabin, very good cond. \$550. 589-2477.

18' CLAM BOAT - 2 yrs old, sturdy const. EM3-6173.

20' BAY CITY CABIN CRUISER - 95 hp Nordberg eng, fresh water cooled. Asking \$1400. E. Petruk, 286-0124.

15' ARKANSAS TRAVELER - Fiberglass runabout, navy top, 35 hp Johnson elec start. \$400; w/trailer \$500. Ext. 597, 286-0436.

Miscellaneous

ORANGE PLAID SOFA - 1 slat type coffee table & 2 matching end tables. 473-8011.

GUN - Cal. 22-250, like new. \$95. John, Ext. 560.

COLT PYTHON - .357 mag, 6" barrel w/belt & holster, top cond, must have permit. J. Zahra, 727-7480 after 6.

7' FENCE POST - 6 pcs; 5 pcs 5' fence post, iron; plus 5' high roll chicken wire; all for \$15. J. Zahra, 727-7480 after 6.

SET OF 4 KITCHEN CHAIRS - Vinyl covered, swivel type. \$15. Bob, Ext. 433.

OLD SEARS 8" TABLE SAW - No motor. \$20. T. Holmquist, Ext. 7188.

VACUUM CLEANERS - RCA Whirlpool w/attachments, \$5; car vacuum, plugs into cigarette lighter, \$2. 732-5829.

10 GAL AQUARIUM - W/blk wrought iron stand, some fish & all acces. Kelly, Ext. 2382, 475-3516.

30 OLD PHONOGRAPH RECORDS - Foreign coins. O. Booker, Ext. 2411.

SMALL GARDENS ROTOTILLED - John, 924-3528 after 5:30.

SONOTHANE - Polyurethane concrete sealer & hardener, 2 gals, \$4 ea; 2 fluorescent lights, recessed ceiling, 26"x9", \$8. 281-8390.

STROLLER - Excel cond. \$15. 363-6850.

16' - 1969 SMOKY TRAVEL TRAILER - Sleeps 6, self contained, head & shower, heat, stove & oven, hitch incl. Asking \$2000. Foster, Ext. 7676.

LAWN MOWER - Jacobson 22" reel type, like new, used approx 10 hrs. \$100. 286-0336.

WASHING MACHINE - Maytag auto, model No. 140-1957, needs minor repair (gasket) or can be used for parts, new motor & water mixer. \$15. Ext. 2902.

SNARE DRUM - Case & stand, very good cond. 744-3079.

16" CIRCLINE FLUORESCENT CEILING FIXTURE - 2 light, 22 & 32 watts. \$6. EM3-6940.

ZENITH 23" TV - Consolette b&w, very good cond. 878-1982, 5-6.

CHILD CRAFT CRIB - Dual drop sides, matt, 2 sheets & bumper, all like new. \$30. R. Skelton, Ext. 2108/2305.

BABY CARRIAGE - Biltrite, removable hard body, excel cond, best offer; baby car bed, good cond, best offer. Irwin, Ext. 2168.

ROTOTILLING - Set a date now. J. Bennett, Ext. 7356, 727-7209.

BROWN DISCUS - 2nd generation tank bred, 10 wks old. \$2 ea. M. Milau, Ext. 2830.

MONOSTEREO - Motorola, mahog, 16 1/2" deep, 46" long, excel cond. \$75. Ext. 2719.

BICYCLE - Excel, 20" stingray, boys' 3 spd hand brakes front rear, competition orange, speedometer, much chrome. \$35. Fred, Ext. 424.

CUSTOM TAILORING & ALTERATIONS - Men's & women's clothing. 286-3454 after 7.

4x8 BRUNSWICK POOL TABLE - 1 1/2 yrs old, cost \$400, asking \$250; 1970 Craftsman lawn tractor, 32" cutters, elec start, \$400. 751-0521.

STROLLO-CHAIR OUTFIT - Carriage, high chair, stroller, excel cond. R. Manning, Ext. 7818. 286-0353.

HOUSE - Built for houseboat, 13'x8' w/7' ceiling, relocate as panels or intact. \$200. Ext. 7781.

MICROSCOPE - Professional Kyowa model KHS-2, monocular, new cond, 3 eyepieces, 4 objectives, graduated coaxial mech stage, Koalite lamp, wood case, extras. Worth \$500, asking \$200. Saxon, Ext. 2366.

EICO 35 WATT MONO AMP - \$15; Eico HF85 stereo pre-amp, \$15. Ext. 2334.

UTILITY TRAILER - \$20; VW sedan trailer hitch, \$5. C. Foelix, Ext. 2334.

SKIS - 6 1/2' metal edges, bindings & boots, 10 1/2' men's. \$25. Dad, 286-0783 eves & weekends.

LAWN MOWER - Scott 20" push type, fine cond. \$20. Dad, 286-0783 eves & weekends.

BOYS' 26" BICYCLE - Sears light wt, good cond. \$20. Claus, 744-2017.

TELESCOPE - 6" reflector, aluminized pyrex mirror, right angle finder, needs mounting. \$45. Ext. 597, 286-0436.

RCA JUNIOR VOLTOHMYST - VTVM. \$15. Ext. 597, 286-0436.

10 SPD SCHWINN - Like new. Cost \$100, sell for \$65. Ext. 597, 286-0436.

135 MM F4.5 LEICA LENS - \$45; universal view finder, \$25. Ext. 597, 286-0436.

MEN'S LUGGAGE - "Schel-Craft" brown leather, 1 two-suiter, \$15; 1 weekender, \$10. E. Petruk, 286-0124.

Real Estate

Real Estate advertised for sale or rent is available without regard for the race, color, creed or national origin of the applicant.

For Sale

BELLPORT - 3 bedrm ranch, 2 baths, lg liv rm, 1/2 acre landscaped, att garage. \$24,000. 286-3739.

SHOREHAM - 4 bedrm col house, 2 1/2 baths, fam rm, liv rm, fireplace, dbl garage, part air cond. 744-6657.

Wanted

TREE REMOVAL - Will do tree removal, chain saw service, painting, grounds maint, etc. Bob, 732-9517.

VW - Running cond. Arnold, 924-3905.

ELEC TYPE "OUTBOARD MOTOR" - 12 V system. 585-8322.

HOME FOR PUPS - Shepherd & ? Will deliver anytime after 4/19. R. Allen, Ext. 639.

USED TOP LUGGAGE RACK - To fit '69 Camaro. L. Mayweather, Ext. 2756 after 6.

HOME - For pure bred blue-cream persian cat, spayed, 2 1/2 yrs, owner allergic. 475-8962 after 6.

LAWN MOWER - Sit down type, prefer 6-8 hp, in good cond. Ken, Ext. 7483.

BADMINTON TUTOR - Own new racket, but lack knowledge of game. G. Malcolm, Ext. 2117, 289-1925.

TYPING - To be done at home, very reasonable. Billie, Ext. 2465.

Carpools

DRIVER WANTED - To compl existing carpool from Brightwaters-W. Islip area. Bob, Ext. 7259.

DRIVER WANTED - To compl existing carpool from Patchogue. Bob, Ext. 2265.

DRIVER WANTED - To compl existing carpool from Exit 52 (or further west) on LI Expwy. Elliot, Ext. 2103.

CARPPOOL - Let wife enjoy summer with car (at least 3 days/wk), join door-to-door carpool, Smithtown-Hauppauge area. Rich, Ext. 7313/7179.

Lost & Found

BICYCLE - Will the person who borrowed a red men's English bike from the Biology Dept. please return it. Ext. 2543.

IAEA Job Openings

First Officer, Scientific and Technical Information, to act as supervisor of the Subject Control Unit and as subject specialist in the field of Chemistry, 2 years, Vienna.

First Officer, Isotope Hydrology Section, to join a team engaged in the development and uses of isotope techniques in hydrology, 2 years, Vienna.

Many short-term openings in various fields in all parts of the world.

For further information contact the Office of Scientific Personnel Ext. 493.

Classified Ad Policy

Deadline is 12 noon Friday for publication the following week.

1. The Brookhaven Bulletin's classified section may be used only by active and retired Laboratory employees.

2. All items for sale or rent must be the advertiser's property.

3. Ads for material acquired for resale in association with a full or part-time business cannot be accepted.

4. Firearms offered for sale or trade may not be brought on site.

5. Ads not carried because of space restrictions will be held for publication in the next issue.

6. Ads are run only once and must be resubmitted if they are to be repeated.

7. Ads should be restricted to 20 words or less and typed or printed on the form provided, and must bear the employees signature.

☐

For Sale: Auto & Auto Supplies

☐

For Sale: Boats & Marine Supplies

☐

For Sale: Miscellaneous

☐

Wanted

☐

Carpools

☐

Lost & Found

Check ☒ the heading applying to your ad.
Print or type your ad in 20 words or less.

Ads concerning property for sale or rent cannot be accepted on this form. Special Real Estate Ad forms are available at the Office of the Brookhaven Bulletin, Room 112, 40 Brookhaven Avenue.

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(Name & Phone No. To Call)

Employee's Signature

Life No.

Ext.

Send to: Brookhaven Bulletin, 40 Brookhaven Avenue